

Experiment Number: 10472 - 04

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS
ABRIDGED) (a)**

Date Report Requested: 03/15/2016

Test Type: CHRONIC

p-Chloro-a,a,a-trifluorotoluene

Time Report Requested: 08:52:04

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 98-56-6

First Dose M/F: 01/31/11 / 01/31/11

Species/Strain: MICE/B6C3F1

Lab: BNW

F1_M3

NTP Study Number: C10472B
Lock Date: 08/29/2013
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: 02/01/2016

Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE

Control

100 ppm

200 ppm

400 ppm

Disposition Summary

Animals Initially In Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	8	5	11	12
Natural Death	2	5	4	10
Survivors				
Terminal Sacrifice	40	40	35	28
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(50)
Gallbladder	(50)	(49)	(44)	(44)
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Adenoma				1 (2%)
Hepatocarcinoma, Metastatic, Liver	1 (2%)			
Intestine Large, Colon	(50)	(50)	(50)	(50)
Adenoma		1 (2%)		
Intestine Large, Rectum	(50)	(50)	(50)	(49)
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Adenoma			1 (2%)	
Hepatocellular Carcinoma, Metastatic, Liver				1 (2%)
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Adenoma				1 (2%)
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Adenocarcinoma	1 (2%)			1 (2%)
Adenoma				1 (2%)
Liver	(50)	(50)	(50)	(50)
Hemangiosarcoma		2 (4%)	1 (2%)	1 (2%)
Hepatoblastoma	1 (2%)	1 (2%)	1 (2%)	10 (20%)
Hepatoblastoma, Multiple				5 (10%)
Hepatocellular Adenoma	16 (32%)	9 (18%)	12 (24%)	8 (16%)
Hepatocellular Adenoma, Multiple	9 (18%)	15 (30%)	19 (38%)	21 (42%)
Hepatocellular Carcinoma	6 (12%)	14 (28%)	9 (18%)	5 (10%)
Hepatocellular Carcinoma, Multiple	2 (4%)	5 (10%)	7 (14%)	30 (60%)

a - Number of animals examined microscopically at site and number of animals with lesion

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First Dose M/F: 01/31/11 / 01/31/11

Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE	Control	100 ppm	200 ppm	400 ppm
Hepatocarcinoma	3 (6%)	2 (4%)		
Rhabdomyosarcoma, Metastatic, Skeletal Muscle	1 (2%)			
Mesentery	(6)	(5)	(2)	(5)
Hepatoblastoma, Metastatic, Liver				1 (20%)
Hepatocellular Carcinoma, Metastatic, Liver		1 (20%)		
Hepatocarcinoma, Metastatic, Liver	2 (33%)			
Mast Cell Tumor Malignant		1 (20%)		
Pancreas	(50)	(50)	(50)	(50)
Hepatoblastoma, Metastatic, Liver	1 (2%)			
Hepatocarcinoma, Metastatic, Liver	2 (4%)			
Salivary Glands	(50)	(50)	(50)	(49)
Stomach, Forestomach	(50)	(50)	(50)	(48)
Adenocarcinoma, Metastatic, Mammary Gland	1 (2%)			
Hemangioma			1 (2%)	
Hepatocarcinoma, Metastatic, Liver	1 (2%)			
Squamous Cell Papilloma	1 (2%)			1 (2%)
Squamous Cell Papilloma, Multiple			1 (2%)	
Stomach, Glandular	(50)	(50)	(49)	(49)
Adenoma		1 (2%)		
Hepatoblastoma, Metastatic, Liver	1 (2%)			
Hepatocarcinoma, Metastatic, Liver	1 (2%)			
Tongue	(1)	(0)	(0)	(0)
Squamous Cell Papilloma	1 (100%)			

CARDIOVASCULAR SYSTEM

Blood Vessel	(50)	(50)	(50)	(50)
Aorta, Hepatoblastoma, Metastatic, Liver	1 (2%)			
Heart	(50)	(50)	(50)	(50)
Hepatoblastoma, Metastatic, Liver	1 (2%)			
Hepatocarcinoma, Metastatic, Liver	2 (4%)			
Sarcoma, Metastatic, Skin			1 (2%)	

a - Number of animals examined microscopically at site and number of animals with lesion

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Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE	Control	100 ppm	200 ppm	400 ppm
ENDOCRINE SYSTEM				
Adrenal Cortex	(50)	(50)	(50)	(50)
Hepatoblastoma, Metastatic, Liver				1 (2%)
Hepatocellular Carcinoma, Metastatic, Liver				1 (2%)
Adrenal Medulla	(50)	(50)	(50)	(50)
Pheochromocytoma Benign			1 (2%)	
Islets, Pancreatic	(50)	(49)	(50)	(50)
Adenoma	1 (2%)			
Carcinoma		1 (2%)		
Parathyroid Gland	(36)	(28)	(39)	(38)
Pituitary Gland	(50)	(50)	(50)	(49)
Pars Distalis, Adenoma			1 (2%)	
Pars Intermedia, Schwannoma Malignant	1 (2%)			
Thyroid Gland	(50)	(50)	(50)	(50)
Follicular Cell, Adenoma			1 (2%)	
GENERAL BODY SYSTEM				
Peritoneum	(0)	(0)	(1)	(0)
GENITAL SYSTEM				
Epididymis	(50)	(50)	(50)	(50)
Hepatoblastoma, Metastatic, Liver	1 (2%)			
Penis	(0)	(0)	(1)	(0)
Preputial Gland	(50)	(50)	(49)	(50)
Hemangiosarcoma			1 (2%)	
Prostate	(50)	(50)	(50)	(50)
Hepatoblastoma, Metastatic, Liver				1 (2%)
Hepatocholangiocarcinoma, Metastatic, Liver	1 (2%)			
Seminal Vesicle	(50)	(50)	(50)	(50)
Hepatoblastoma, Metastatic, Liver	1 (2%)			
Hepatocholangiocarcinoma, Metastatic, Liver	1 (2%)			

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Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE	Control	100 ppm	200 ppm	400 ppm
Testes	(50)	(50)	(50)	(50)
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Hemangiosarcoma		1 (2%)		
Mast Cell Tumor Malignant		1 (2%)		
Lymph Node	(4)	(0)	(3)	(4)
Pancreatic, Hepatocellular Carcinoma, Metastatic, Liver				1 (25%)
Pancreatic, Hepatocholangiocarcinoma, Metastatic, Liver	1 (25%)			
Lymph Node, Bronchial	(49)	(47)	(47)	(48)
Hepatoblastoma, Metastatic, Liver	1 (2%)			1 (2%)
Hepatocellular Carcinoma, Metastatic, Liver		1 (2%)		
Hepatocholangiocarcinoma, Metastatic, Liver	2 (4%)			
Lymph Node, Mandibular	(36)	(41)	(43)	(45)
Lymph Node, Mediastinal	(46)	(47)	(44)	(42)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung		1 (2%)		
Hepatoblastoma, Metastatic, Liver	1 (2%)			1 (2%)
Hepatocellular Carcinoma, Metastatic, Liver		1 (2%)		
Hepatocholangiocarcinoma, Metastatic, Liver	2 (4%)			
Lymph Node, Mesenteric	(49)	(50)	(49)	(49)
Hepatocellular Carcinoma, Metastatic, Liver	1 (2%)		1 (2%)	
Hepatocholangiocarcinoma, Metastatic, Liver	1 (2%)			
Spleen	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung		1 (2%)		
Hemangiosarcoma	1 (2%)	2 (4%)	3 (6%)	1 (2%)
Hepatoblastoma, Metastatic, Liver	1 (2%)			
Mast Cell Tumor Malignant		1 (2%)	1 (2%)	
Thymus	(48)	(48)	(48)	(48)
Hepatoblastoma, Metastatic, Liver				1 (2%)
Hepatocholangiocarcinoma, Metastatic, Liver	2 (4%)			

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Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE	Control	100 ppm	200 ppm	400 ppm
INTEGUMENTARY SYSTEM				
Mammary Gland	(2)	(1)	(3)	(1)
Adenocarcinoma	1 (50%)			
Skin	(50)	(50)	(50)	(50)
Hepatocholangiocarcinoma, Metastatic, Liver	1 (2%)			
Subcutaneous Tissue, Fibrous Histiocytoma	1 (2%)	1 (2%)	1 (2%)	1 (2%)
Subcutaneous Tissue, Hemangiosarcoma	2 (4%)			
Subcutaneous Tissue, Sarcoma			1 (2%)	
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Hemangiosarcoma				1 (2%)
Skeletal Muscle	(2)	(1)	(1)	(2)
Hepatoblastoma, Metastatic, Liver	1 (50%)			1 (50%)
Hepatocholangiocarcinoma, Metastatic, Liver	1 (50%)			
Mast Cell Tumor Malignant		1 (100%)		
Rhabdomyosarcoma	1 (50%)			
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Schwannoma Malignant, Metastatic, Pituitary Gland	1 (2%)			
Peripheral Nerve	(0)	(0)	(1)	(0)
Spinal Cord	(0)	(0)	(1)	(0)
RESPIRATORY SYSTEM				
Larynx	(50)	(50)	(50)	(50)
Lung	(50)	(50)	(50)	(50)
Adenocarcinoma, Metastatic, Harderian Gland		1 (2%)		
Adenocarcinoma, Metastatic, Mammary Gland	1 (2%)			

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Lab: BNW

B6C3F1 MICE MALE	Control	100 ppm	200 ppm	400 ppm
Alveolar/Bronchiolar Adenoma	8 (16%)	11 (22%)	9 (18%)	3 (6%)
Alveolar/Bronchiolar Adenoma, Multiple	3 (6%)			
Alveolar/Bronchiolar Carcinoma	4 (8%)	3 (6%)	3 (6%)	3 (6%)
Alveolar/Bronchiolar Carcinoma, Multiple	2 (4%)	1 (2%)		
Hemangiosarcoma	1 (2%)			
Hepatoblastoma, Metastatic, Liver	1 (2%)			5 (10%)
Hepatoblastoma, Metastatic, Uncertain Primary Site				1 (2%)
Hepatocellular Carcinoma, Metastatic, Liver	5 (10%)	5 (10%)	5 (10%)	8 (16%)
Hepatocholangiocarcinoma, Metastatic, Liver	2 (4%)	1 (2%)		
Mediastinum, Sarcoma, Metastatic, Skin			1 (2%)	
Nose	(50)	(50)	(50)	(50)
Mast Cell Tumor Malignant			1 (2%)	
Trachea	(50)	(50)	(50)	(50)
SPECIAL SENSES SYSTEM				
Eye	(50)	(50)	(50)	(50)
Harderian Gland	(50)	(50)	(50)	(50)
Adenocarcinoma	1 (2%)	3 (6%)		
Adenoma	5 (10%)	4 (8%)	4 (8%)	8 (16%)
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(50)
Hepatoblastoma, Metastatic, Liver	1 (2%)			
Hepatocholangiocarcinoma, Metastatic, Liver	1 (2%)			
Mast Cell Tumor Malignant			1 (2%)	
Renal Tubule, Adenoma				1 (2%)
Urethra	(0)	(0)	(0)	(1)
Urinary Bladder	(50)	(50)	(50)	(50)
Hepatoblastoma, Metastatic, Liver	1 (2%)			

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* Number of animals with any tissue examined microscopically

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ABRIDGED) (a)**

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Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE	Control	100 ppm	200 ppm	400 ppm
<hr/>				
SYSTEMIC LESIONS				
Multiple Organ	*(50)	*(50)	*(50)	*(50)
Histiocytic Sarcoma			1 (2%)	
Lymphoma Malignant	6 (12%)	1 (2%)	5 (10%)	3 (6%)

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* Number of animals with any tissue examined microscopically

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B6C3F1 MICE MALE	Control	100 ppm	200 ppm	400 ppm
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Tumor Summary for Males

Total Animals with Primary Neoplasms (b)	44	47	46	49
Total Primary Neoplasms	78	82	86	106
Total Animals with Benign Neoplasms	32	28	35	34
Total Benign Neoplasms	44	41	50	45
Total Animals with Malignant Neoplasms	25	32	27	44
Total Malignant Neoplasms	34	41	36	61
Total Animals with Metastatic Neoplasms	9	8	6	16
Total Metastatic Neoplasms	47	12	8	24
Total Animals with Malignant Neoplasms Uncertain Primary Site				1
Total Animals with Neoplasms Uncertain- Benign or Malignant				
Total Uncertain Neoplasms				

*** END OF MALE ***

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b - Primary tumors: all tumors except metastatic tumors

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Lab: BNW

B6C3F1 MICE FEMALE	Control	100 ppm	200 ppm	400 ppm
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Disposition Summary

Animals Initially In Study	50	50	50	50
Early Deaths				
Accidentally Killed			1	
Moribund Sacrifice	7	12	9	16
Natural Death	5	5	1	7
Survivors				
Natural Death			2	1
Terminal Sacrifice	38	33	37	26
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(50)
Gallbladder	(47)	(49)	(48)	(47)
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Adenoma			1 (2%)	
Intestine Large, Colon	(50)	(50)	(50)	(50)
Intestine Large, Rectum	(48)	(50)	(48)	(50)
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Adenoma	1 (2%)			
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Adenoma				1 (2%)
Liver	(50)	(50)	(50)	(50)
Hemangiosarcoma				1 (2%)
Hepatoblastoma			1 (2%)	8 (16%)
Hepatocellular Adenoma	9 (18%)	9 (18%)	9 (18%)	9 (18%)
Hepatocellular Adenoma, Multiple	3 (6%)	5 (10%)	15 (30%)	25 (50%)
Hepatocellular Carcinoma	5 (10%)	5 (10%)	5 (10%)	6 (12%)
Hepatocellular Carcinoma, Multiple	2 (4%)	3 (6%)	7 (14%)	28 (56%)
Osteosarcoma, Metastatic, Uncertain Primary Site				1 (2%)
Mesentery	(9)	(13)	(15)	(12)
Hemangiosarcoma	1 (11%)	2 (15%)		

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Lab: BNW

B6C3F1 MICE FEMALE	Control	100 ppm	200 ppm	400 ppm
Rhabdomyosarcoma, Metastatic, Skeletal Muscle	1 (11%)			
Pancreas	(50)	(50)	(50)	(50)
Salivary Glands	(50)	(50)	(50)	(50)
Carcinoma	1 (2%)			
Rhabdomyosarcoma			1 (2%)	
Sarcoma, Metastatic, Skin	1 (2%)			
Stomach, Forestomach	(50)	(50)	(50)	(50)
Hemangioma				1 (2%)
Squamous Cell Papilloma	1 (2%)	2 (4%)	1 (2%)	3 (6%)
Stomach, Glandular	(50)	(50)	(50)	(50)
Adenoma			1 (2%)	
Tongue	(0)	(0)	(0)	(1)
Squamous Cell Papilloma				1 (100%)

CARDIOVASCULAR SYSTEM

Blood Vessel	(50)	(50)	(50)	(50)
Heart	(50)	(50)	(50)	(50)

ENDOCRINE SYSTEM

Adrenal Cortex	(50)	(50)	(50)	(50)
Hepatocellular Carcinoma, Metastatic, Liver				1 (2%)
Adrenal Medulla	(50)	(50)	(50)	(50)
Pheochromocytoma Benign	1 (2%)	1 (2%)		
Islets, Pancreatic	(50)	(50)	(49)	(50)
Adenoma		1 (2%)		
Parathyroid Gland	(36)	(29)	(30)	(34)
Pituitary Gland	(50)	(50)	(50)	(50)
Pars Distalis, Adenoma	4 (8%)	4 (8%)		3 (6%)
Pars Intermedia, Adenoma		1 (2%)	1 (2%)	1 (2%)
Thyroid Gland	(50)	(50)	(49)	(49)
Follicular Cell, Adenoma		1 (2%)		1 (2%)

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Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE FEMALE	Control	100 ppm	200 ppm	400 ppm
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GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(48)	(46)	(49)	(48)
Ovary	(50)	(50)	(50)	(50)
Cystadenoma	2 (4%)	1 (2%)	2 (4%)	
Granulosa Cell Tumor Benign				1 (2%)
Granulosa-Theca Tumor Malignant	1 (2%)			
Hemangioma		1 (2%)		
Hemangiosarcoma				1 (2%)
Luteoma	2 (4%)		1 (2%)	
Teratoma Benign		1 (2%)		
Tubulostromal Adenoma			1 (2%)	1 (2%)
Oviduct	(1)	(0)	(0)	(0)
Uterus	(50)	(50)	(50)	(50)
Adenocarcinoma				1 (2%)
Hemangiosarcoma	1 (2%)			1 (2%)
Polyp Stromal			1 (2%)	1 (2%)

HEMATOPOIETIC SYSTEM

Bone Marrow	(50)	(50)	(50)	(50)
Hemangiosarcoma		1 (2%)		
Lymph Node	(2)	(3)	(4)	(7)
Lymph Node, Bronchial	(48)	(48)	(50)	(49)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung				1 (2%)
Hepatocellular Carcinoma, Metastatic, Liver				1 (2%)
Lymph Node, Mandibular	(47)	(42)	(49)	(46)
Sarcoma, Metastatic, Skin	1 (2%)			

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B6C3F1 MICE FEMALE	Control	100 ppm	200 ppm	400 ppm
Lymph Node, Mediastinal	(48)	(49)	(49)	(47)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung				1 (2%)
Lymph Node, Mesenteric	(50)	(49)	(49)	(50)
Hemangiosarcoma				1 (2%)
Hepatocellular Carcinoma, Metastatic, Liver		1 (2%)		
Spleen	(50)	(50)	(50)	(50)
Hemangiosarcoma	1 (2%)			1 (2%)
Thymus	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung				1 (2%)
Sarcoma, Metastatic, Bone				1 (2%)

INTEGUMENTARY SYSTEM

Mammary Gland	(49)	(50)	(50)	(50)
Adenocarcinoma		1 (2%)	1 (2%)	
Skin	(50)	(50)	(50)	(50)
Subcutaneous Tissue, Fibrosarcoma				2 (4%)
Subcutaneous Tissue, Hemangiosarcoma			1 (2%)	
Subcutaneous Tissue, Rhabdomyosarcoma		1 (2%)		
Subcutaneous Tissue, Sarcoma, Multiple	1 (2%)			
Subcutaneous Tissue, Schwannoma Malignant		2 (4%)		

MUSCULOSKELETAL SYSTEM

Bone	(50)	(50)	(50)	(50)
Hemangiosarcoma				1 (2%)
Rib, Sarcoma				1 (2%)
Vertebra, Osteosarcoma		1 (2%)		1 (2%)
Skeletal Muscle	(4)	(3)	(1)	(3)
Hemangiosarcoma		1 (33%)		
Rhabdomyosarcoma	1 (25%)			
Rhabdomyosarcoma, Multiple	1 (25%)			
Sarcoma, Metastatic, Bone				1 (33%)

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Lab: BNW

B6C3F1 MICE FEMALE	Control	100 ppm	200 ppm	400 ppm
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NERVOUS SYSTEM

Brain	(50)	(50)	(50)	(50)
Plasma Cell Tumor Malignant		1 (2%)		
Peripheral Nerve	(1)	(2)	(1)	(2)
Spinal Cord	(1)	(2)	(1)	(2)

RESPIRATORY SYSTEM

Larynx	(50)	(50)	(49)	(50)
Lung	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Adenoma	5 (10%)	4 (8%)	5 (10%)	6 (12%)
Alveolar/Bronchiolar Carcinoma			2 (4%)	2 (4%)
Alveolar/Bronchiolar Carcinoma, Multiple		1 (2%)		1 (2%)
Fibrosarcoma, Metastatic, Skin				1 (2%)
Hemangiosarcoma		1 (2%)		
Hepatoblastoma, Metastatic, Liver				1 (2%)
Hepatocellular Carcinoma, Metastatic, Liver	1 (2%)	2 (4%)	1 (2%)	3 (6%)
Osteosarcoma, Metastatic, Bone		1 (2%)		
Osteosarcoma, Metastatic, Uncertain Primary Site				1 (2%)
Mediastinum, Sarcoma, Metastatic, Bone				1 (2%)
Nose	(50)	(50)	(50)	(50)
Pleura	(0)	(0)	(0)	(2)
Trachea	(50)	(50)	(50)	(49)

SPECIAL SENSES SYSTEM

Ear	(1)	(0)	(0)	(0)
Eye	(50)	(50)	(50)	(50)
Adenocarcinoma, Metastatic, Harderian Gland			1 (2%)	
Harderian Gland	(50)	(50)	(50)	(50)
Adenocarcinoma			3 (6%)	

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

p-Chloro-a,a,a-trifluorotoluene

Time Report Requested: 08:52:04

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 98-56-6

First Dose M/F: 01/31/11 / 01/31/11

Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE FEMALE	Control	100 ppm	200 ppm	400 ppm
Adenoma	2 (4%)	6 (12%)	6 (12%)	8 (16%)
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(50)
Hemangiosarcoma		1 (2%)		
Renal Tubule, Adenoma	1 (2%)			
Urinary Bladder	(50)	(50)	(50)	(50)
SYSTEMIC LESIONS				
Multiple Organ	*(50)	*(50)	*(50)	*(50)
Histiocytic Sarcoma	2 (4%)	1 (2%)	1 (2%)	3 (6%)
Lymphoma Malignant	9 (18%)	6 (12%)	11 (22%)	3 (6%)

a - Number of animals examined microscopically at site and number of animals with lesion

* Number of animals with any tissue examined microscopically

Test Type: CHRONIC

p-Chloro-a,a,a-trifluorotoluene

Time Report Requested: 08:52:04

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 98-56-6

First Dose M/F: 01/31/11 / 01/31/11

Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE FEMALE	Control	100 ppm	200 ppm	400 ppm
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Tumor Summary for Females

Total Animals with Primary Neoplasms (b)	38	37	41	49
Total Primary Neoplasms	57	65	77	124
Total Animals with Benign Neoplasms	24	28	31	40
Total Benign Neoplasms	31	37	44	62
Total Animals with Malignant Neoplasms	24	22	26	42
Total Malignant Neoplasms	26	28	33	62
Total Animals with Metastatic Neoplasms	3	4	2	10
Total Metastatic Neoplasms	4	4	2	15
Total Animals with Malignant Neoplasms Uncertain Primary Site				1
Total Animals with Neoplasms Uncertain- Benign or Malignant				
Total Uncertain Neoplasms				

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors